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NOTICE OF ALLOWANCE AND FEE(S) DUE

29683

7590

05/05/2008

HARRINGTON & SMITH, PC 4 RESEARCH DRIVE SHELTON, CT 06484-6212 EXAMINER

VO, DON NGUYEN

ART UNIT PAPER NUMBER

2611

DATE MAILED: 05/05/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/783,129	02/19/2004	Haifeng Wang	872.0172.U1(US)	1246

TITLE OF INVENTION: METHOD AND APPARATUS PROVIDING TIME DOMAIN INTERPOLATED CHANNEL ESTIMATION WITH

ADVANCED NOISE SUPPRESSION FOR MULTICARRIER TRANSMISSIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/05/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrected international maintenance fee notifical feet and international	correspondence includir ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of in specifying a new corresponding a new corresponding to the contract of the contrac	maintenance fees waspondence address;	ill be r and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				(s) Transmittal, This	certifi	cate cannot be used for	domestic mailings of the or any other accompanying at or formal drawing, must
29683 HARRINGTO 4 RESEARCH I SHELTON, CT		/2008	I he	Cert reby certify that thi	ificate s Fee(s	of Mailing or Transn) Transmittal is being	
							(Depositor's name)
			<u> </u>				(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/783,129	02/19/2004		Haifeng Wang			2.0172.U1(US)	1246
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nonprovisional	NO	\$1440	\$300	\$0 -		\$1740	08/05/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	J			
VO, DON	NGUYEN	2611	375-260000				
. Change of correspondence address or indication of "Fee Address" (37 ER 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			or agents OR, alternati (2) the name of a single registered attorney or a registered patent attorney.	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	ess an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR Co	OUNT.	RY)	cument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	inted on the patent):	Individual 🖵 Co	rporatio	on or other private grou	up entity Government
a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			 Payment of Fee(s): (Ples A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo 	rd. Form PTO-2038	is atta	ched.	·
a. Applicant claim	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lon				
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Typed or printed name				Registration No	э		
n application. Confident ubmitting the completed his form and/or suggesti	tiality is governed by 35 I application form to the ons for reducing this bu	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	1.14. This collection is estable depending upon the indiverse Chief Information Office	timated to take 12 n vidual case. Any cor er. U.S. Patent and 1	ninutes nments Fradem	to complete, including s on the amount of time ark Office, U.S. Depar	by the USPTO to process) g gathering, preparing, and se you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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HARRINGTON & SMITH, PC			VO, DON	NGUYEN			
4 RESEARCH DR	- : -		ART UNIT	PAPER NUMBER			
SHELTON, CT 06484-6212			2611				
			DATE MAILED: 05/05/2008				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 680 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 680 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/702 120	MANG ET AL	
Notice of Allowability	10/783,129 Examiner	WANG ET AL.	_
	Day M. Va	0044	
	Don N. Vo	2611	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is sufficient in the communication of the communication is sufficient in the communication of the communication is sufficient in the communication of the communi	this application. If not included nication will be mailed in due course. THIS	е
1. \boxtimes This communication is responsive to <u>the Amendment filed</u>	<u>on 2/8/2008</u> .		
2. The allowed claim(s) is/are <u>1-56</u> .			
3. Acknowledgment is made of a claim for foreign priority un	nder 35 U.S.C. § 119(a)-(d) o	r (f).	
a) ☐ All b) ☐ Some* c) ☐ None of the:			
 Certified copies of the priority documents have 	e been received.		
2. Certified copies of the priority documents have	e been received in Application	n No	
3. Copies of the certified copies of the priority do	cuments have been received	in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<i>.</i>		
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Info	ormal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		mmary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./N	Mail Date Amendment/Comment	
Paper No./Mail Date			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's \$ 9. ☐ Other	Statement of Reasons for Allowance	
	5. <u> </u>	•	
	/Don N. Vo/ Primary Examiner,	Art Unit 2611	